

### AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning on page 28, line 7 with the following rewritten paragraph:

Any compound capable of mimicking the spatial arrangements of the foregoing amino acids may be employed in the present invention. Preferably, the non-peptidyl compound has the following formula:



where A is W or VXW;

V is V<sub>1</sub> or V<sub>2</sub>;

V is substituted with up to two X groups;

V<sub>1</sub> is a phenyl or 6 membered heteroaromatic ring, optionally substituted with up to 5 R<sub>1</sub> groups;

V<sub>2</sub> is a 5 member ring system which may incorporate up to 4 hetero atoms which may be independently a nitrogen atom, a nitrogen atom optionally substituted with R<sub>2</sub>, oxygen or sulfur, the ring system being optionally substituted with up to 4 R<sub>1</sub> groups;

W is W<sub>1</sub> or W<sub>2</sub> or W<sub>3</sub>;

W is substituted with up to two X groups;

W<sub>1</sub> is V<sub>1</sub>;

W<sub>2</sub> is a fused bicyclic ring system comprising rings of 5 or 6 atoms, which may incorporate up to 4 hetero atoms, which may be independently a nitrogen atom, a nitrogen atom optionally substituted with R<sub>2</sub>, oxygen or sulfur, the system being optionally substituted with up to seven R<sub>1</sub> groups;

W<sub>3</sub> is -N(R<sub>2</sub>)R'<sub>2</sub>;

R<sub>1</sub> is independently H, OH, alkyl, alkenyl, alkynyl, alkoxy, alkanol, hydroxyalkoxy, haloalkyl, haloalkoxy, halogen, SH, thioalkyl, cyano (-CN), N(R<sub>2</sub>)R'<sub>2</sub>, phenyl, phenyl optionally substituted with up to five alkyl groups of 1 to 3 carbon atoms or up to five halogen atoms, benzyl, phenethyl, nitro, -COR<sub>3</sub>, -R<sub>3</sub>COR<sub>3</sub>, -R<sub>3</sub>SOR<sub>3</sub>, -R<sub>3</sub>SO<sub>2</sub>R<sub>3</sub>, -SO<sub>2</sub>N(R<sub>2</sub>)R'<sub>2</sub> or azido;

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Cont

$R_2$  and  $R'_2$  are independently H, alkyl of 1 to 6 carbon atoms, alkenyl of 3 to 6 carbon atoms, alkynyl of 3 to 6 carbons, hydroxyalkyl of 2 to 6 carbons, alkoxy of 2 to 6 carbons, haloalkyl, haloalkenyl, haloalkoxy, benzyl, benzyl optionally substituted with up to four  $R_1$  groups, phenylethyl, phenylethyl optionally substituted with up to four  $R_1$  groups, arylalkyl, and where  $R_2$  and  $R'_2$  can also be joined to form cyclic structures;

$R_3$  is independently H, OH, alkyl, alkenyl, alkynyl, alkoxy, alkanol, hydroxyalkoxy,  $-R_4N(R_2)R'_2$ , mesyl, trifluoromesyl,  $-NHSO_2CH_3$  or  $-NHSO_2CF_3$ ;

$R_4$  is independently a bond, alkyl, alkenyl or alkynyl;

X is independently, a bond,  $-R_4N(R_2)R_4-$ ,  $-R_4N=NR_4-$ ,  $-R_4N(R_2)-N(R_2)R_4-$ ,  $-R_4OR_4-$ ,  $-R_4SR_4-$ ,  $-R_5-$ ,  $-R_5O-$ ,  $-R_5S-$ ,  $-R_5N(R_2)-$ ,  $-SO-$ , sulfonyl ( $-SO_2-$ ),  $-CO-$ ,  $-CONH-$ ,  $-NHCONH-$ ,  $-NHCO-$ ,  $-CONHCO-$ ,  $-CON(R_2)-$ ,  $-R_5COR_5-$ ,  $-R_5COR_5N(R_2)R_5-$ ,  $-N(R_2)CO-$  or  $-R_4N(R_2)R_4COR_4-$ ;

$R_5$  is independently alkyl, alkenyl, alkynyl, alkoxy, alkanol, hydroxyalkoxy;

Y is either  $Y_1$ ,  $Y_2$  or  $Y_3$ ;

Y is substituted with at least two, but optionally up to four X linking groups;

$Y_1$  is a fused bicyclic ring system comprising rings of 5 or 6 atoms which may incorporate up to 4 hetero atoms, which may be independently a nitrogen atom, a nitrogen atom optionally substituted with  $R_2$ , oxygen or sulfur, the ring system optionally independently incorporating a sulfoxide (SO), sulfone ( $SO_2$ ) or carbonyl (CO) group and optionally up to seven  $R_1$  groups;

$Y_2$  is a 6:6:6 or a 6:5:6 fused tricyclic system which may incorporate up to 4 hetero atoms which may be independently a nitrogen atom, a nitrogen atom optionally substituted with  $R_2$ , oxygen or sulfur, the ring system optionally independently incorporating a sulfoxide (SO), sulfone ( $SO_2$ ) or carbonyl (CO) group, and the ring system being substituted with at least two, but optionally up to four X linking groups and optionally up to seven  $R_1$  groups;

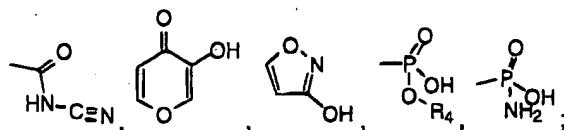
$Y_3$  is  $V_1$ ;

Z is independently  $-R_6COOH$ ,  $-R_6SO_3H$ ,  $-R_6NO_2$ ,  $-R_6SO_2H$ ,  $-R_6SO_2NHR_2$ ;

$R_7SO_2NHCOR_4$ , N-trifluoromesylsulfonamidate,  $-OH$ , 2-yl-hydroxyethanoic acid ( $-CH(OH)COOH$ ), 3-yl-2-hydroxypropanoic acid ( $-CH_2CH(OH)COOH$ ) 2-yl-2-

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Conclude

hydroxypropanoic acid ( $-\text{CH}(\text{CH}_2)(\text{OH})\text{COOH}$ ), 3-yl-2,3-dihydroxypropanoic acid  
 ( $-\text{CH}(\text{OH})\text{CH}(\text{OH})\text{COOH}$ ), 2-yl-2,3-dihydroxypropanoic acid  
 ( $-\text{C}(\text{CH}_2(\text{OH}))(\text{OH})\text{COOH}$ ), 3-yl-2-hydroxypropan-3-one-1-oic acid  
 ( $-\text{COCH}(\text{OH})\text{COOH}$ , 2-yl-2-hydroxypropandioic acid ( $-\text{C}(\text{COOH})(\text{OH})\text{COOH}$ ), 2-yl-propandioic acid ( $-\text{C}(\text{COOH})(\text{H})\text{COOH}$ ), 4-yl-2-hydroxybutan-4-one-1-oic acid  
 ( $-\text{COCH}_2\text{CH}(\text{OH})\text{COOH}$ , 2-yl-2-hydroxybutan-1,4-dioic acid  
 ( $-\text{C}(\text{OH})(\text{COOH})\text{CH}_2\text{COOH}$ ), 3-yl-2-hydroxybutan-1,4-dioic acid  
 ( $-\text{CH}(\text{CH}(\text{OH})\text{COOH})\text{COOH}$ ), 5-yl-tetrazole,



$R_6$  is independently a bond, alkyl, alkenyl, alkynyl, alkoxy,  $-\text{CO}(\text{CH}_2)_n-$ , where  $n$  is an integer between 0 and 4, alkanedioic, alkenedioic or alkynedioic; with the exception that where  $W_1$  is an optionally substituted phenyl then  $Y_{12}$  cannot be an optionally substituted phenyl.